

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number  
WO 2004/053687 A3

(51) International Patent Classification?: G06F 3/033

(21) International Application Number:  
PCT/IB2003/005011

(22) International Filing Date:  
5 November 2003 (05.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
02080246.8 11 December 2002 (11.12.2002) EP

(71) Applicant (for all designated States except US): KONIN-  
KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL];  
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): VAN LEEUWEN,  
Marco [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA  
Eindhoven (NL).

(74) Agent: GROENENDAAL, Antonius, W., M.; Philips  
Intellectual Property & Standards, Prof. Holstlaan 6,  
NL-5656 AA Eindhoven (NL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,  
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,  
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,  
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,  
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

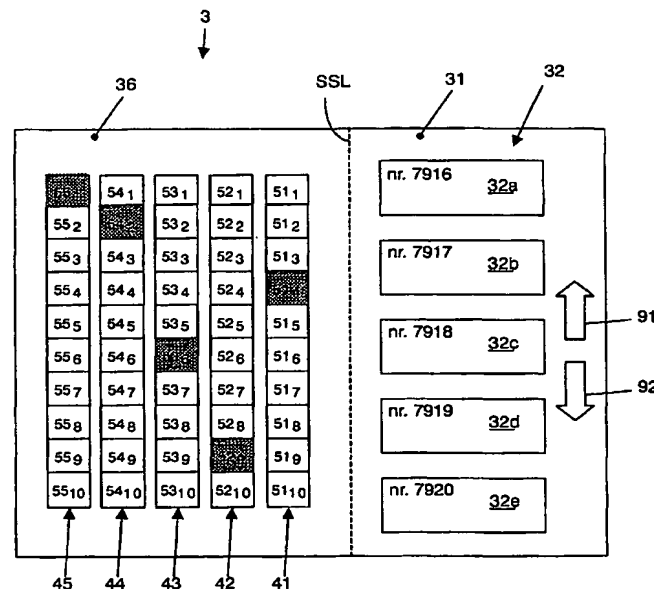
(84) Designated States (regional): ARIPO patent (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,  
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,  
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— as to applicant's entitlement to apply for and be granted  
a patent (Rule 4.17(ii)) for the following designations AE,  
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,  
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES,  
FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PRESENTING A LIST OF ITEMS



(57) Abstract: A method and an apparatus for presenting a long list of items are described. An apparatus (1) is designed to display one page of items and a set of browse control tools (40) which include page indicators, the apparatus having user input means (4). The apparatus is designed to display a new page in response to user input commands. The apparatus is further designed to set a step length, i.e. the distance (number of items) between current page and new page, in response to user input commands. The browse control tools (40) comprise a plurality of hierarchic volumes (41, 42, ... 45), each volume comprising a plurality of page indicators (51, 52, ... 45).

WO 2004/053687 A3



MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

**Published:**

— with international search report

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
21 October 2004

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

## INTERNATIONAL SEARCH REPORT

International Classification No

PCT/IB 03/05011

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F3/033

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 128 012 A (SEIDENSTICKER JR ROBERT B ET AL) 3 October 2000 (2000-10-03)  column 4, line 52 - column 5, line 36 column 12, line 20 - column 13, line 59 figure 1	1,2, 7-15,17, 18,20
Y		16,19
Y	US 2002/135602 A1 (DAVIS JEFFERY ET AL) 26 September 2002 (2002-09-26) paragraphs '0017! - '0026! paragraphs '0032!, '0033! figures 2b-4	16,19
A		1,2, 7-15,20
	----- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

13 August 2004

Date of mailing of the international search report

19/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Baldan, M

## INTERNATIONAL SEARCH REPORT

International Publication No

PCT/IB 03/05011

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 473 523 A (IBM) 4 March 1992 (1992-03-04) column 10, line 8 - column 12, line 41 figures 7a,7b	1,7
A	----- EP 0 919 907 A (SHARP KK) 2 June 1999 (1999-06-02) paragraphs '0052! - '0074! figures 3-8 -----	1,7

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/05011

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6128012	A	03-10-2000	US 6226665 B1	01-05-2001
			US 6108784 A	22-08-2000
			US 5973612 A	26-10-1999
US 2002135602	A1	26-09-2002	NONE	
EP 0473523	A	04-03-1992	US 5295241 A	15-03-1994
			CA 2045946 A1	01-03-1992
			DE 69118055 D1	25-04-1996
			DE 69118055 T2	02-10-1996
			EP 0473523 A1	04-03-1992
			JP 1954205 C	28-07-1995
			JP 4238529 A	26-08-1992
			JP 6082319 B	19-10-1994
EP 0919907	A	02-06-1999	JP 11154074 A	08-06-1999
			CN 1221910 A ,C	07-07-1999
			DE 69812280 D1	24-04-2003
			DE 69812280 T2	11-12-2003
			EP 0919907 A1	02-06-1999
			US 6330009 B1	11-12-2001